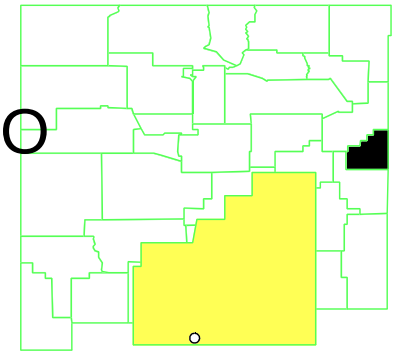
AT&SF (CLOVIS) NEW MEXICO

EPA ID# NMD043158591
Site ID: 0600827



EPA REGION 6
CONGRESSIONAL DISTRICT 03
Curry County
South of the AT&SF Railway switching yard in Clovis

Updated July 2004

Other Names:
Clovis Site, ATSF Clovis, Santa Fe Lake

Site Description

Location:
- Approximately 1 mile South of the AT&SF Railway switching yard, Clovis, Curry County, New Mexico

Population:
- 31,000 people live within a three-mile radius of the site.

Setting:
- Nearest residence is 2,000 ft.
- Nearest drinking water well is 1,200 ft.

Hydrology:
- The lake is currently fenced off from public access.
- The site is over the Ogallala Aquifer.

Current Status & Issues:

- The second Five-Year Review Report was completed in September 2003. EPA has determined the remedy is protective of human health and environment. The next Five-Year Review is due no later than September 30, 2008.

- The site was officially deleted from the National Priorities List (NPL) on March 17, 2003. A site deletion celebration took place on April 24, 2003. The site is under general operation and maintenance by the Railroad.

- A Direct Final Notice of Deletion from the NPL was published in the Federal Register Notice on January 16, 2003, opening the comment period for review and comment. Comment period closes February 18, 2003. Because no significant comments were received, the site was deleted from the National Priorities List on March 17, 2003.

- A Final Close-Out Report was signed on November 8, 2002 by the Superfund Division Director. The Site is eligible for deletion from the NPL. Construction Completion was declared on September 20, 2000, through a Preliminary Close-Out Report. The Operation & Maintenance Plan is finalized and approved.

● The first Five-Year Review for the site was completed in September 1998 for the Site. The next Review is due no later than September 30, 2003.

Wastes and Volumes

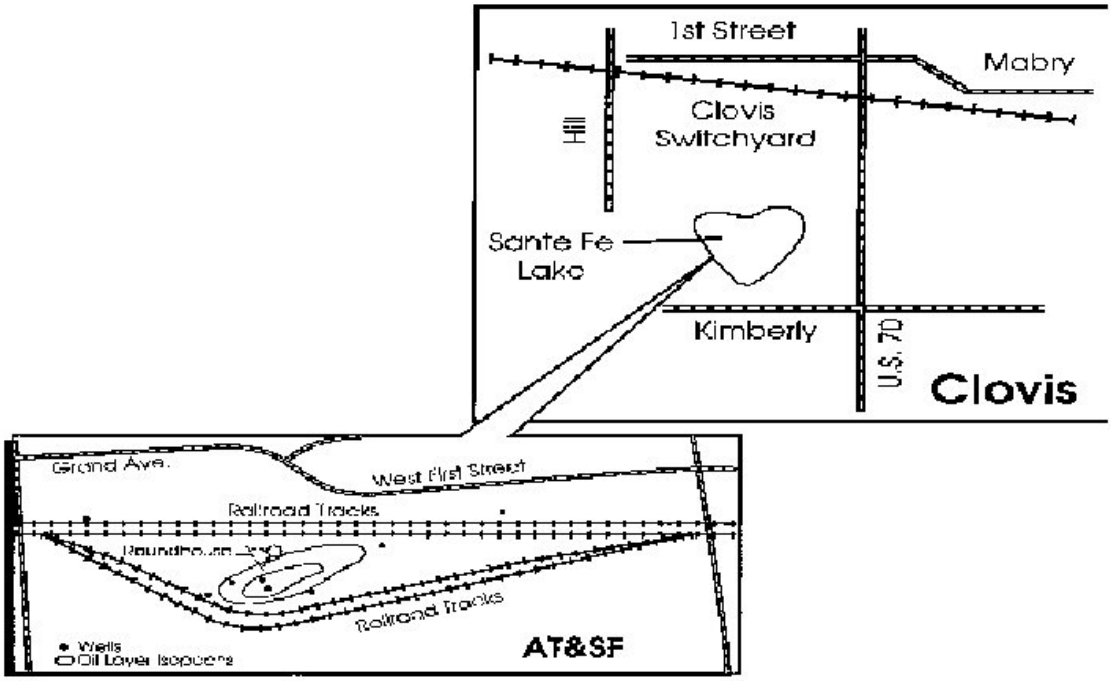
● Principal Pollutants: boron, fluoride, chloride, total phenolics, sulfate, petroleum hydrocarbons, total dissolved solids, total organic carbon.

Volumes:
- Water - 51,500 cubic yards (yd^3)
- Soil - 86,500 yd^3
- Sediment - 52,500 yd^3

Site Assessment and Ranking

NPL LISTING HISTORY
Site HRS Score: 33.62
Proposed Date: 16/23/81
Final Date: 9/08/83
NPL Update: No. 1

Site Map and Diagram



Site History

- Railroad has conducted refueling and hopper car washing at railroad yard since the 1950's.
- Mid-1970's: On-site industrial water wells shut down due to contamination.
- An Administrative Order on Consent was signed with AT&SF for Remedial Investigation in 8/83.
- Public Meeting on remedial investigation/feasibility study and Proposed Plan held 8/23/88.
- A remedial investigation (RI) and a Feasibility Study (FS) were performed in 1987 and 1988.
- The ROD was signed on September 23, 1988. A three-phased remedial option was selected as part of the Record of Decision (ROD).

The Remediation Process

- Remedial Design began 12/16/88.
- Construction start began in 1989 and was completed in 1992.
- The remedial option included the following for the primarily hydrocarbon contaminated materials at Santa Fe Lake:
- Phase I - construction of a rainfall run-on/runoff control system and lake water evaporation system (dike with moat, spray evaporation basin, wet well, etc.,);
- Phase II - bioremediation of soil and sediments; and
- Phase III - restoration of site.
- The first phase was completed in March 1990, and the first portion of the second phase (construction of facilities) was completed in April 1992. The bioremediation phase began in June 1992 and was completed in October 1999.
- As part of the second phase, all sediments and any soils that were treated and met Criteria 2 (the stabilization criteria) were placed into an on-site storage facility (OSF).
- The third phase included restoration of the site including capping the OSF and seeding native grasses. This phase began in June 2000 and was completed September 2000.

Health Considerations:

- Site is located over Ogallala Aquifer which is used as a source of drinking water.

Record of Decision

Signed: September 23, 1988

- The remedy has three basic parts; lake water, lake sediment, and soil under the sediment.
- No ground water remediation is proposed, but monitoring of water quality will continue.

Lake Water:

- A dike was constructed around Santa Fe Lake to stop run-on into the lake.
- The lake water is evaporated with a spray system within the existing lake bed.

Lake Sediment:

- The lake sediments were excavated and biodegraded on the slopes of the lake bed. All treated sediments were taken to an on-site storage facility and capped.

Lake Soil:

- Contaminated soil (soil with total petroleum hydrocarbon [TPH] concentrations above 1,000 parts per million [ppm]) were bioremediated in place. The TPH concentration had to either fall below 1,000 ppm or stabilize above 1,000 ppm. Once the concentration met either criteria, it was left in place (if the concentration fell below 1,000) or was excavated and taken to the storage area where it was capped, along with the treated sediment.

Other Remedies Considered	Reason Not Chosen
1. Spray Irrigation (lake water)	Increase in contaminated area
2. In-Situ Fixation	Low long-term effectiveness
3. Cap in Place	No reduction in toxicity, mobility, or volume
4. Landfill	No reduction in toxicity, mobility, or volume

Community Involvement

- Community Involvement Plan: Developed 1/88, revised in 1990.
- Open houses and workshops: 1/91, 4/91
- Original Proposed Plan Fact Sheet and Public Meeting: 8/88
- Original ROD Fact Sheet: 10/88
- Milestone Fact Sheets: 9/86, 8/89, 4/91, 6/92, 08/'00, 11/02
- Citizens on site mailing list: 124
- Constituency Interest: Low interest, no organized groups identified.
- Site Repository: Clovis-Carver Public Library, Fourth & Main Streets, Clovis, NM 88108

Technical Assistance Grant

- Availability Notice: 1/89
- Letters of Intent Received: None
- Final Application Received: None
- Grant Award: N/A
- Current Status: No apparent citizen interest in applying for grant.

Contacts

- **Remedial Project Manager (EPA):** Sai Appaji, 214/665-3126, Mail Sta. 6SF-LT
- **State Contact:** George Schuman, 505/827-0072
- **Community Involvement Coord. (EPA):** Beverly Negri, 214/665-8157, Mail Sta. 6SF-P
- **Attorney (EPA):** Paul Wendel, 214/665-2136, Mail Sta. 6RC-S
- **State Coordinator (EPA):** Kathy Gibson 6SF-LT
- **Prime Contractor:** TRC is PRP contractor.
- **EPA Region 6 Ombudsman:** Arnold Ondarza , 1800-424-9346; 303-312-6777

Benefits

- The AT&SF (Clovis) cleanup effectively treated an estimated number of 187,000 cubic yards of contaminated soil, sediment and water. The cleanup criteria included a primary goal of treating to less than 1,000 ppm Total Petroleum Hydrocarbons and a secondary goal of stabilized soil.

- The health and environment of over 31,000 people living near the site will be protected from potential ground water and wind blown contaminants from the site.

- At the time of the site remedy completion, approximately 187,000 cubic yards of soil and sediment were treated. The site has been restored with native grasses and limited impoundment of water.